

Substitute for form 1449A/PTO

**FOURTH SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/602,045
Filing Date	June 24, 2003
First Named Inventor	Michelle M. Hanna
Art Unit	1637
Examiner Name	Kim, Young J.
Attorney Docket Number	2072.0010003/MAC/DJN

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/YK/	US1	5,194,370	03-16-1993	Berninger <i>et al.</i>	
	US2	5,246,866	09-21-1993	Nasu <i>et al.</i>	
	US3	5,503,979	04-02-1996	Kramer <i>et al.</i>	
	US4	5,597,694	01-28-1997	Munroe <i>et al.</i>	
	US5	5,837,459	11-17-1998	Berg <i>et al.</i>	
	US6	5,846,723	12-08-1998	Kim <i>et al.</i>	
	US7	6,268,131 B1	07-31-2001	Kang <i>et al.</i>	
	US8	7,045,319 B2	05-16-2006	Hanna	
	US9	2004/0054162 A1	03-18-2004	Hanna	
	US10	2004/0137461 A1	07-15-2004	Hanna	
	US11	2004/0157257 A1	08-12-2004	Hanna	
	US12	2004/0175724 A1	09-09-2004	Hanna	
	US13	2005/0026150 A1	02-03-2005	Hanna	
	US14	2005/0064414 A1	03-24-2005	Hanna	
	US15	2005/0214796 A1	09-29-2005	Hanna	
	US16	2006/0204964 A1	09-14-2006	Hanna	
	US17				
	US18				
	US19				
	US20				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/YK/	FP1	EP 0 369 775 A	05-23-1990	Loewy <i>et al.</i>		
	FP2					
	FP3					
	FP4					
	FP5					
	FP6					
	FP7					
	FP8					
	FP9					

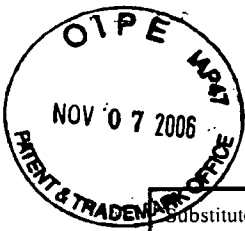
604285_1.DOC

Examiner Signature	/Young J. Kim/	Date Considered	08/21/2008
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**FOURTH SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/602,045
Filing Date	June 24, 2003
First Named Inventor	Michelle M. Hanna
Art Unit	1637
Examiner Name	Kim, Young J.
Attorney Docket Number	2072.0010003/MAC/DJN

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/YK/	AT21	Aiyar <i>et al.</i> , "A Mismatch Bubble in Double-stranded DNA Suffices to Direct Precise Transcription Initiation by <i>Escherichia coli</i> RNA Polymerase," <i>The Journal of Biological Chemistry</i> 269:13179-13184, American Society for Biochemistry and Molecular Biology, Inc. (1994).	
	AR22	Daube <i>et al.</i> , "Coupling of RNA displacement and intrinsic termination in transcription from synthetic RNA DNA bubble duplex constructs," <i>Proceedings of the National Academy of Sciences of the United States of America</i> 9:9539-9543, National Academy of Sciences (1994).	
	AS22	Griep <i>et al.</i> , "Fluorescence Energy Transfer Between the Primer and the Beta Subunit of the DNA Polymerase III Holoenzyme," <i>Journal of Biological Chemistry</i> 267:3052-3059, The American Society for Biochemistry and Molecular Biology, Inc. (1992).	
	AT22	Hanna <i>et al.</i> , "Topography of transcription: Path of the leading end of nascent RNA through the <i>Escherichia coli</i> transcription complex," <i>Proceedings of the National Academy of Sciences of the United States of America</i> 80:4238-4242, National Academy of Sciences (1983).	
	AR23	Kinsella <i>et al.</i> , "RNA Polymerase: Correlation Between Transcript Length, Abortive Product Synthesis, and Formation of a Stable Ternary Complex," <i>Biochemistry</i> 21:2719-2723, American Chemical Society (1982).	
	AS23	Mancini <i>et al.</i> , "Constitutively methylated CpG dinucleotides as mutation hot spots in the retinoblastoma gene (RB1)," <i>American Journal of Human Genetics</i> 61:80-87, The American Society of Human Genetics (1997).	
	AT23	Picketts <i>et al.</i> , "Differential termination of primer extension: a novel, quantifiable method for detection of point mutations," <i>Human Genetics</i> 89:155-157, Springer-Verlag (1992).	
	AR24	Supplementary European Search Report for European Patent Application No. EP 02 79 5555, mailed August 10, 2006, European Patent Office.	
	AS24		

604379_1.DOC

Examiner Signature	/Young J. Kim/	Date Considered	08/21/2008
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.